

[0059] The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A locking device comprising:

first and second end pieces formed together via a forming process, said second end piece being joined to said first end piece via at least one frangible element; and

a substantially rigid locking member, said first end piece being attached to one end of said locking member and said locking member extending from said first end piece, said second end piece being separable from said first end piece via breaking said at least one frangible element, said second end piece being configured to receive the other end of said locking member when separated from said first end piece to lock said locking device to an object.

2. The locking device of claim 1, wherein said first and second end pieces are molded together, said at least one frangible element comprising interconnected portions of said first and second end pieces.

3. The locking device of claim 2, wherein said first end piece is molded around said end of said locking member.

4. The locking device of claim 3, wherein said second end piece is molded around a locking element that is configured to receive and secure to the other end of said locking member.

5. The locking device of claim 1, wherein said first and second end pieces are formed with a surface thereon for forming indicia to identify respective pairs of first and second end pieces.

6. The locking device of claim 5, wherein said surface comprises a substantially planar surface for printing or applying indicia thereon.

7. The locking device of claim 6, wherein said surface comprises a roughened surface for printing or applying indicia thereon.

8. The locking device of claim 1, wherein multiple locking devices are formed together, each of said locking devices comprising first and second end pieces joined via at least one frangible element, and a substantially rigid locking member extending from said first end piece.
9. The locking device of claim 1, wherein at least one of said first and second end pieces includes an identification element for identifying said at least one of said first and second end pieces of said locking device.
10. The locking device of claim 9, wherein said identification element comprises a radio frequency identification chip.
11. The locking device of claim 1, wherein said first and second end pieces include first and second tabs extending therefrom, said tabs being configured to receive a secondary seal therethrough to provide a tamper indicating function to said locking device when said end pieces are connected together by said locking member.
12. A method of forming and using at least one locking device, said method comprising:
  - providing a mold with a cavity, said cavity comprising first and second cavity portions interconnected together via at least one connecting cavity portion extending between said first and second cavity portions in said mold;
  - molding at least one pair of end pieces out of a polymeric material disposed within said cavity, said pair of end pieces comprising first and second end pieces connected together via at least one frangible portion formed by said at least one connecting cavity portion;
  - providing a locking member;
  - attaching one end of said locking member to said first end piece;
  - separating said second end piece from said first end piece by breaking said at least one frangible portion; and
  - attaching said second end piece to the other end of said locking member when said locking member is inserted through an item to be locked.
13. The method of claim 12, wherein providing a locking member comprises inserting a locking member partially within said first cavity, and wherein attaching one end of said

locking member to said first end piece comprises molding said first end piece around said end of said locking member.

14. The method of claim 13 including inserting a locking element at least partially within said second cavity and molding said second end piece around said locking element, said locking element being configured to receive the other end of said locking member therein to secure said second end piece to said locking member.

15. The method of claim 12, wherein said cavity comprises a series of pairs of first and second cavity portions, one of said first and second cavity portions of one pair of cavity portions being interconnected with one of said first and second cavity portions of another pair of cavity portions via at least one other connecting cavity portion.

16. The method of claim 15, wherein molding at least one pair of end pieces comprises molding a series of pairs of first and second end pieces, each pair of first and second end pieces being connected together via at least one frangible portion formed by said at least one connecting cavity portion.

17. The method of claim 16, wherein said first cavity portion of at least some of said pairs being interconnected with said second cavity portion of another of said pairs, such that said first end piece of said at least some of said pairs is connected to a second end piece of another of said pairs via at least one other frangible portion.

18. The method of claim 17, wherein providing a locking member comprises inserting a locking member partially within each of said first cavities, and wherein attaching one end of said locking member to said first end piece comprises molding said first end pieces around said ends of said locking members.

19. The method of claim 16 including separating a pair of first and second end pieces from said series of pairs to provide a single locking device for use.

20. The method of claim 19 including forming matching indicia on said first and second end pieces of each pair of respective end pieces to identify said end pieces of a particular locking device.

21. A series of locking devices comprising:

a series of pairs of end pieces formed together via a forming process, each of said pairs of end pieces comprising first and second end pieces joined together via at least one first frangible portion between said first and second end pieces, said first or second end piece of one pair of said series being joined to said first or second end piece of another pair of said series via at least one second frangible portion between said pairs of end pieces;

a plurality of locking members attached to respective ones of said first end pieces and extending therefrom; and

wherein said pair of first and second end pieces and said respective locking member comprise a locking device, said locking devices being separable from said series via breaking of said at least one second frangible portion between said pairs of end pieces, said second end piece of said locking device being separable from said first end piece and being configured to attach to the other end of said locking member when said locking member is inserted through an object to lock said locking device to the object.

22. The series of locking devices of claim 21, wherein said locking members are insert molded within said respective first end pieces.

23. The series of locking devices of claim 21, wherein said first and second end pieces are formed together via a molding process that forms said first and second end pieces and said first and second frangible portions.

24. The series of locking devices of claim 21, wherein said first and second end pieces are formed with a surface thereon for forming indicia to identify respective pairs of first and second end pieces.

25. The series of locking devices of claim 24, wherein said surface comprises a substantially planar surface for printing or applying indicia thereon.

26. The series of locking devices of claim 24, wherein said surface comprises a roughened surface for printing or applying indicia thereon.

27. The series of locking devices of claim 21, wherein said first and second end pieces of each pair of end pieces include first and second tabs extending therefrom, said tabs being configured to receive a secondary seal therethrough to provide a tamper indicating function to said locking devices when said end pieces are connected together by said locking members.
28. The series of locking devices of claim 27, wherein one of said first and second frangible portions is between said first and second tabs.
29. The series of locking devices of claim 21, wherein at least one of said first and second end pieces includes an identification element for identifying said at least one of said first and second end pieces of a respective one of said locking devices.
30. The series of locking devices of claim 29, wherein said identification element comprises a radio frequency identification chip.